

Translation

PATENT COOPERATION TREATY



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PCT01-03037	FOR FURTHER AC	CTION	See Form PCT/IPEA/416			
International application No.	International filing dat	te (day/month/year)	Priority date (day/month/year)			
PCT/JP2003/013615	24 October 200	• •	30 October 2002 (30.10.2002)			
International Patent Classification (IPC) or n H01L 29/786, 51/00, 21/28, 27/0	ational classification an 192, H05B 33/14, 33/2	d IPC 26				
Applicant PIONEER CORPORATION						
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 						
2. This REPORT consists of a total of	4sheets,	including this cover s	heet.			
3. This report is also accompanied by ANNEXES, comprising:						
a. (sent to the applicant and						
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.						
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications relating to the following items:						
Box No. I Basis of the report						
Box No. II Priority						
Box No. III Non-establish	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV Lack of unity of invention						
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
Box No. VI Certain documents cited						
Box No. VII Certain defects in the international application						
Box No. VIII Certain observations on the international application						
Date of submission of the demand		Date of completion of	of this report			
24 May 2004 (24.05.2004)		06 O	October 2004 (06.10.2004)			
Name and mailing address of the IPEA/JP		Authorized officer				
Facsimile No.		Telephone No.				



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2003/013615

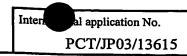
	Dasis of the report					
1. With other	regard to the language, this report is based on the international application in the language wise indicated under this item.	in which it was filed, unless				
	This report is based on translations from the original language into the following language, which is language of a translation furnished for the purpose of:					
	international search (under Rules 12.3 and 23.1(b))					
	publication of the international application (under Rule 12.4)					
	international preliminary examination (under Rules 55.2 and/or 55.3)					
furni:	regard to the elements of the international application, this report is based on (replace shed to the receiving Office in response to an invitation under Article 14 are referred to in are not annexed to this report): The international application as originally filed/furnished the description:	cement sheets which have been n this report as "originally filed"				
	pages	an animalla. Elad/Essaiah ad				
	pages* received by this Authority on	, as originally filed/furnished				
	pages* received by this Authority on					
	the claims:					
	pages as amended (together v	, as originally filed/furnished				
	Dages* received by this Authority on	with any statement) under Article 19				
	pages* received by this Authority on					
	the drawings:					
	pages received by this Authority on	, as originally filed/furnished				
	pages* received by this Authority on pages* received by this Authority on					
	a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence	e Listing.				
3	The amendments have resulted in the cancellation of:					
	the description, pages					
İ	the claims, Nos.					
	the drawings, sheets/figs					
Ì	the sequence listing (specify):					
	any table(s) related to sequence listing (specify):					
4.	This report has been established as if (some of) the amendments annexed to this report made, since they have been considered to go beyond the disclosure as filed, as indic (Rule 70.2(c)). the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify):	and listed below had not been ated in the Supplemental Box				
* If item 4 applies, some or all of those sheets may be marked "superseded."						

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Inter Pal application No.
PCT/JP03/13615

Box No. V Reasoned statement citations and explana	under Article 35(2) w ations supporting such	ith regard to novelty, inventive step or industrial applicability	7;
1. Statement			
Novelty (N)	Claims	1-8	YES
	Claims		- NO
. Inventive step (IS)	Claims		-
mvonave step (15)	Claims		_ YES
	Ciaims	1-8	NO -
Industrial applicability (IA)	Claims	1-8	YES
	Claims		NO
2. Citations and explanations (Rule 7	70.7)	,	v :
Document 1: JP, 2001-1771	09 A		
(Lucent Techn			
June 29, 2001	(06.29.01), Full t	ext, Figs. 1-25	
Document 2: JP, 2001-2033			
(Lucent Techn			
July 27, 2001 ((07.27.01), Full to	ext, Figs. 1-22	
Document 3: JP, 8-116060,	A (Frontec Corp.)	
May 7, 1996 (05.07.96), Full te	xt, Figs. 1-18	
Document 4: JP, 2003-5058	89, A (Eink Corp	0.)	
Document 5: ID 6 20005 A	003, Full text, Fi	gs. 1-4	
Document 5: JP, 6-89905, A	4 (02 20 04) Par	Energy Kenkyusho)	
& KR, 971065	4 (03.29.94), Par	agraph 29, Fig. 1	
Document 6: JP, 2000-1244	2, D1 62 A (Seiko Eng	on Corneration)	
April 28, 2000	(04 28 00) Para	graphs 75-105, Figs. 14-16 (Family: none)	
Document 7: JP, 4-86891, A	(Fuii Xerox Co	I td)	
March 19, 199	2 (03.19.92). Ful	l text, Figs. 1-3 (Family: none)	
	- (· · · · · · · · · · · · · · · · · ·	tong rigo. I o (I umny. hone)	
Regarding claims 1-4			
The inventions descri	ibed in claims 1-	4 do not appear to involve an inventive step based	l on
documents 1-3 cited in the Is	SR.		
Documents 1-2 descr	ibe an organic se	emiconductor device with a CMOS configuration,	
wherein an organic semicono	ductor layer is for	rmed in a channel region.	
Document 3 describe	s a semiconducto	or device with a CMOS configuration using a mat	erial
having a high work function	for a source elec-	trode and a drain electrode of a Patyne transistor	and
using a material having a sm	all work function	for a source electrode and a drain electrode of ar	n N-type
transistor.			
Regarding claim 5			
	ed in claim 5 do	es not appear to involve an inventive step based o	
documents 1-3 cited	in the ISR and ne	ewly cited document 5.)D
Document 5 describe	s an aluminum u	viring (124) that serves as a drain electrode of a P-	trmo
transistor being connected to	a source electron	de (120) of an N-type transistor.	-type
8		() or mirri-typo manaiston.	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY



Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of Box V:

Regarding claim 6

The invention described in claim 6 does not appear to involve an inventive step based on documents 1-3 cited in the ISR and newly cited document 6.

Document 6 describes connecting a drain electrode of a P-type transistor and a source electrode of an N-type transistor by wiring.

Regarding claim 7

The invention described in claim 7 does not appear to involve an inventive step based on documents 1-4 cited in the ISR.

Document 4 describes using a conductive paste for a gate electrode.

Regarding claim 8

The invention described in claim 8 does not appear to involve an inventive step based on documents 1-3 cited in the ISR and newly cited document 7.

Document 7 describes an electrode connected to a drain electrode being connected to an organic electroluminescence display.